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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/038,112	12/31/2001	John J. Egan	361331-506	5381
30623	7590 01/11/2006		EXAMINER	
MINTZ, LEVIN, COHN, FERRIS, GLOVSKY			DELACROIX MUIRHEI, CYBILLE	
AND POPEO, P.C. ONE FINANCIAL CENTER BOSTON, MA 02111			ART UNIT	PAPER NUMBER
			1614	

DATE MAILED: 01/11/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/038,112	EGAN ET AL.				
Office Action Summary	Examiner	Art Unit				
	Cybille Delacroix-Muirheid	1614				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
Responsive to communication(s) filed on 12 Oct This action is FINAL . 2b) ☑ This Since this application is in condition for allowant closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro					
Disposition of Claims						
4) ☐ Claim(s) 1,2,4,8,9,11 and 13-17 is/are pending 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1,2,4,8,9,11 and 13-17 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration.					
Application Papers						
9) The specification is objected to by the Examiner.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s)	_	·				
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date						
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date		atent Application (PTO-152)				

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Detailed Action

The following is responsive to applicant's request for continued examination, amendment and declaration received Oct. 12, 2005.

Claims 1, 2, 4, 8, 9, 11, 13-17 are currently pending.

Applicant's arguments with respect to claims 1, 2, 4, 8, 9, 11, 13-17 have been considered but are most in view of the new ground(s) of rejection.

The previous rejection of claims 1, 2, 4, 8, 9, 11, 13-17 under 35 USC 103(a) over Cerami et al. RE38,330 E in view of EPA 0 458 589 A1 (maintained in the office action mailed Jan. 11, 2005) is withdrawn in view of the following new ground(s) of rejection.

New Ground(s) of Rejection

Claim Rejection(s)—35 USC 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

- 1. Determining the scope and contents of the prior art.
- 2. Ascertaining the differences between the prior art and the claims at issue.
- 3. Resolving the level of ordinary skill in the pertinent art.
- 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

1. Claims 1, 2, 4, 8, 9, 11, 13-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cerami et al., RE38,330 E (already of record) in view of Lloyd 4,540,408 or Lotti 5,153,205.

Cerami et al. disclose a method of inhibiting and reversing protein aging by administering to a patient in need thereof an effective amount of a thiazolium compound represented by Formula (1). Specifically, Cerami et al. teach that the method has therapeutic applications and that the thiazolium compound can be used in a method for treating lens proteins susceptible to aging. A preferred compound used in the therapeutic method is 3-(2-phenyl-2-oxoethyl)-4,5-dimethyl-thiazolium bromide. For topical or dermal application to the eye, the compound may be formulated with acceptable excipients into a lotion or ointment. The compositions for ocular administration may contain up to about 10% of the compound and may administer an effective amount (up to about 30 mg/kg) to a patient's eye. Finally, Cerami et al. teach that pharmaceutically acceptable salts of the compounds may also be used in the disclosed method. Please see the abstract; col. 5, lines 28-55: col. 9, lines 5-10; col. 10, lines 36-53, claim 153-, 163.

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Cerami et al. do not disclose combining the preferred compound with a cholinergic agent. However, the examiner refers to (1) Lloyd, which teaches that cholinergic agents such as pilocarpine are suitable agents for treating glaucoma and ocular hypertension (please see col. 4, lines 27-30) or (2) Lotti, which discloses a method of reducing intraocular pressure and treating glaucoma in mammals by topically administering a cholinergic agonist, i.e. pilocarpine and a cholinergic antagonist (please see col. 1, lines 5-15).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the method of Cerami et al. to additionally include the administration of a cholinergic agent because one of ordinary skill in the art would reasonably expect the ocular compositions containing an additional cholinergic agent to reduce any ocular hypertension suffered by the patients in Cerami et al.

Moreover, Cerami et al. do not specifically disclose administering the elected 3-(2-phenyl-2-oxoethyl)-4,5-dimethyl-thiazolium chloride, however, the Examiner refers to col. 5, lines 28-29, where Cerami et al. teach that the halo atom used in the thiazolium compounds may also be chloride.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to administer 3-(2-phenyl-2-oxoethyl)-4,5-dimethyl-thiazolium chloride because, in view of Cerami et al.'s teaching, one of ordinary skill in the art would reasonably expect the chloride compound to be effective in treating lens proteins susceptible to aging. Such a modification would have been motivated by the reasonable expectation that the chloride compound would have similar properties, and thus the same use as the bromide compound.

With respect to the claimed method of "improving ocular accommodation" or decreasing intraocular pressure", this would have been obvious, if not inherent, from the disclosed method which discloses administration of identical active agents in identical dosage amounts to a host in need thereof using Applicant's claimed method steps.

Finally, concerning claim 17, since Cerami discloses that administration may occur by other conventional means, it would have been obvious to one of ordinary skill in the art to further modify the method of the prior art by administering the compounds intra-camerally because one of ordinary skill in the art would reasonably expect intra-cameral administration to effectively deliver the compounds to the eye.

Conclusion

Claims 1, 2, 4, 8, 9, 11, 13-17 are rejected.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Cybille Delacroix-Muirheid** whose telephone number is **571-272-0572**. The examiner can normally be reached on Mon-Thurs. from 8:30 to 6:00 as well as every other Friday from 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Christopher Low**, can be reached on **571-272-0951**. The fax phone number for the organization where this application or proceeding is assigned is **571-273-8300**.

Information regarding the status of an application may be obtained from the Patent

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CDM (M) Jan. 9, 2006

Cybille Delacroix-Muirheid